

DESCRIPTIVE ABSTRACT

The invention concerns a method of producing a mechanical part on the basis of a computer-aided design
5 of the type comprising:

- a preliminary step of breaking down the body of the part into elementary strata,
 - a step of manufacturing the elementary strata,
 - a step of reconstructing the part,
- 10 characterized in that:

- the procedure incorporates, during the breaking-down of the part, the breaking-down of at least one fluid transport circuit designed and modeled beforehand into elementary chambers (20)
15 according to a break-down associated with that of the part,

- said elementary chambers are produced in the elementary strata (7i) of the part during the step of manufacturing the strata, and

- the fluid transport circuit is reconstructed in its entirety during the superposition and assembly of the strata.
- 20

The invention concerns the mechanical parts produced by
25 said method and for numerous fields of application, for example, but not exclusively, plastic and metal processing.

Figure for the Abstract: figure 3a